

# MATERIAL SAFETY DATA SHEET



DATE PREPARED: 01/11/2001  
MSDS No: 6052

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Scotts® GREENSWEEP® Weed & Feed 20-0-0  
**PRODUCT DESCRIPTION:** Herbicide/Fertilizer

### MANUFACTURER

The ORTHO Group  
P.O. Box 1749  
Columbus, OH 43216

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**Emergency Phone:** 1-800-225-2883

**EPA REG. NO.:** 239-2640 **PN:** 6040

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
2,4-D, dimethylamine salt	2.29	2008-39-1
Mecoprop, dimethylamine salt	2.3	32351-70-5
Dichloroprop, dimethylamine salt	2.26	120-36-5
Urea	44.57	57-13-6
INERT INGREDIENTS	48.5	

>"Inert Ingredients" is a term defined by the U.S. Environmental Protection Agency under the Federal Insecticide, Fungicide, and Rodenticide Act (40 CFR 158.153). It refers to any substance, other than an active ingredient, which is intentionally added to a pesticide product. Some inert ingredients may be hazardous chemicals, as defined by the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). The hazards associated with these inert ingredients have been included in this document.

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Dark brown liquid

**IMMEDIATE CONCERNS:** - HARMFUL IF ABSORBED THROUGH SKIN

- CAUSES MODERATE EYE IRRITATION
- AVOID CONTACT WITH SKIN OR CLOTHING
- KEEP OUT OF REACH OF CHILDREN

### POTENTIAL HEALTH EFFECTS

**EYES:** The undiluted product is moderately irritating to the eyes. Eye contact may include discomfort, tearing, swelling, redness, and blurred vision. See Toxicological Information, section 11.

**SKIN:** This substance is not expected to cause prolonged or significant skin irritation. If absorbed through the skin, this substance is considered practically non-toxic. See Toxicological Information, Section 11.

**INGESTION:** Ingestion may cause irritation of the digestive tract which may include nausea, vomiting, and diarrhea. If swallowed, this substance is considered practically non-toxic. See Toxicological Information, Section 11.

**INHALATION:** The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled. This hazard evaluation is based on data from similar materials. See Toxicological Information, section 11.

## 4. FIRST AID MEASURES

**EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

**SKIN:** If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a

poison control center or doctor for treatment advice.

**INGESTION:** If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Never give anything by mouth to an unconscious person.

**INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** None

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, Dry Chemical, Foam, Alcohol-type Foam, Water Fog.

**HAZARDOUS COMBUSTION PRODUCTS:** Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

**FIRE FIGHTING PROCEDURES:** This material will not burn. Smoke from fires involving this material may present unusual hazards. Avoid breathing smoke and mists. Avoid contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Read the entire document.

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## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Soak up spilled material with paper towels and discard in trash.

**LARGE SPILL:** Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgate, bentonite or other absorbent clays. Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions provided under Section 13. "DISPOSAL". Thoroughly scrub floor or other impervious surface with a strong industrial type detergent solution and rinse with water. For liquid spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. If disposal is required then refer to Section 13 "DISPOSAL" for instructions. Leaking containers should be separated from non-leakers and either the container or its contents transferred to a drum or other non-leaking container and disposed of in accordance with instructions provided under Section 13 "Disposal". Any recovered spilled liquid should be similarly collected and disposed of. Do not contaminate water, foodstuffs or feed by storage or disposal.

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## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep pesticide in original container, away from children. Avoid contamination of feed and foodstuffs. Protect from freezing or high temperatures.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** No special ventilation is usually necessary. However, if operating conditions create high airborne concentrations of this material, special ventilation may be needed.

### PERSONAL PROTECTION

**EYES AND FACE:** Do not get this material in your eyes. Eye contact should be avoided by wearing chemical goggles or a face shield.

**SKIN:** Wear protective clothing when handling or applying this product including long pants, long sleeved shirt, socks, shoes, and chemical resistant gloves. Wash nondisposable gloves thoroughly with soap and water before removing. Remove contaminated clothing and launder separately before reuse. Promptly and thoroughly wash hands and exposed skin with soap and water after using this product.

**RESPIRATORY:** No special respiratory protection is normally required. However, if operating conditions create high airborne concentrations, the use of an approved respirator is recommended.

### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

<u>Chemical Name</u>	<u>EXPOSURE LIMITS</u>		
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
2,4-D, dimethylamine salt	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	None
Mecoprop, dimethylamine salt	None	None	None

Dichlorprop,dimethylamine salt  
Urea

None  
None

None  
None

None  
None

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**APPEARANCE:** Dark brown liquid

**pH:** ~7.6 to 8.2

**BOILING POINT:** No Data Available

**FREEZING POINT:** No Data Available

**SOLUBILITY IN WATER:** Soluble

**SPECIFIC GRAVITY:** 1.10 to 1.20 gr/cc at 20°C

**VISCOSITY:** Same as water.

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Strong oxidants, caustics or acids may result in heat evolution.

**HAZARDOUS DECOMPOSITION:** Exposure to heat or flame may produce carbon monoxide, hydrogen chloride and nitrogen oxides.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**EYES:** The hazard evaluation for this material was based on eye irritation test results for a similar material: Minimally irritating (Rabbit, FIFRA Category IV).

**DERMAL LD<sub>50</sub>:** The dermal toxicity for this material was based on test results for a similar material: Slightly irritating (Rabbit, 4 hr exposure, FIFRA Category IV). The dermal LD50 in rabbits is greater than 2 g/kg. This material was not a skin sensitizer in the Buehler Guinea Pig Sensitization Test.

**ORAL LD<sub>50</sub>:** The hazard evaluation for this material was based on oral toxicity results for a similar material: The oral LD50 in rats is greater than 5.0 g/kg.

**INHALATION LC<sub>50</sub>:** The hazard evaluation for this material was based on inhalation toxicity results for a similar material: The Rat 4-hr LC50 is greater than 4.0 mg/L.

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters nor pour the washwaters on the ground; spray or drain over a large area away from wells, other water sources, and desirable plants. Do not apply this product through any type of irrigation system. Do not contaminate water used for irrigation or domestic purposes.

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## 13. DISPOSAL CONSIDERATIONS

**FOR LARGE SPILLS:** Material collected that cannot be reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures.

**EMPTY CONTAINER:** Do not reuse container (except for product refill). Securely wrap partially filled or empty container in newspaper and discard in trash.

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## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not Regulated  
**PRIMARY HAZARD CLASS/DIVISION:** None  
**UN/NA NUMBER:** NONE  
**U.S. SURFACE FREIGHT CLASS:** Tree or weed killing compounds, NOI

**AIR (ICAO/IATA)**

**PROPER SHIPPING NAME:** Not Regulated

**SPECIAL SHIPPING NOTES:** The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

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**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA				
ACUTE: YES	CHRONIC: NO	FIRE: NO	REACTIVITY: NO	PRESSURE GENERATING: NO

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All non FIFRA regulated components are on the US EPA's TSCA Inventory List.

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**16. OTHER INFORMATION****HMIS CODES**

**FIRE:** 0   **HEALTH:** 2   **REACTIVITY:** 0   **PROTECTION:** -

**NFPA CODES**

**FIRE:** 0   **HEALTH:** 2   **REACTIVITY:** 0   **SPECIAL:** -

**APPROVAL DATE:** 09/13/2002

**REVISION SUMMARY** Revision #: 9

This MSDS replaces the May 15, 2001 MSDS. Any changes in information are as follows:

In Section 5

(Group Field) for Flash Point Flash Point (Operator) Flash Point °F (From) Flash Point Method

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